



## Omansat, Oman National Satellite Communication Technology (SCT)

### Executive Summary

OmanSat- SCT required a network solution that would meet specific technical requirements: a Baseband Gateway to be installed in an existing teleport and remote Terminals over Oman covered by 3 Ka multi spot beams. The network had to serve thousands of sites of various verticals such as: government entities, remote education, schools, local service providers, cellular companies and defense tactical connectivity.

### The Solution

SpaceBridge offered the implementation of an ASAT™ High Throughput Gateway with full HTS capacities, capable of accessing the bandwidth and power resources over assumed Ka band transponders. SpaceBridge designed and deployed the turn-Key project by providing installation, integration, and activation of the Multi Spot Beam (MSB) platform in Ka-Band with three Gateway Beams and three User Beams covering the whole country and territorial waters of Oman.



## Success Story

### Benefits of SpaceBridge

The platform includes a Redundant ASAT Gateway platform. The sizing takes advantage of the network scalability offered by the SpaceBridge solution, starting with the minimum investment required according to bandwidth profile packages and related terminals with the traffic requested by the customer. This can be gradually upgraded depending on bandwidth or number of remote terminals needed.

### Results

The solution provided by SpaceBridge allowed SCT to take advantage of a single platform with high flexibility, high efficiency, and high capacity to provide quality communication links for different applications. As a result, the network has grown steadily since its activation, satisfying a variety of applications and sectors including internet access for residential, schools, governmental entities , CBH, military, banking, oil & gas and many others.